UL Verification Services Inc.
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ACCREDITED

NVLAP LAB CODE 201042-0

Photometric Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2011, ANSI C82.77-2002
CIE 13.3-1995, CIE 15-2004, IES TM-30-15, UL 1598-2008

Prepared For

LDPI Inc

Chuck Caldwell
206 Cashman Dr
Chippewa Falls, WI 54729
United States

Catalog Number

LEINS3-P6-8-3-V1-D2-C2-LGL-RS-535-PB

Order Number
11594655
Test Number
11594655.03

Test Date

2017-01-26 - 2017-01-27

Prepared By

Vita Mazzola, Administrative Assistant

Approved By

Tiffany Hamm, Project Handler

Table of Contents

Laboratory results may not be representative of field performance
Ballast factors have not been applied

Absorption correction was employed for Sphere measurement

Luminaire Description:	Formed black steel housing, upper frosted lens, linear prismatic reflectors, clear glass lens enclosure
Lamp:	1152 White LEDs
Mounting:	Pendant
Ballast/Driver:	Philips Advanced Xitanium XI075C200V054BST1

Luminaire

Summary of Results

Integrating Sphere

Luminous Flux:	15790	Lumens
Efficacy:	114.2	lm/w
CCT:	4321	K
CRI (Ra):	84.6	

Electrical Data at 120 VAC

Test Temperature:	24.7	°C
Voltage:	120.1	VAC
Current:	1.156	A
Power:	138.2	W
Power Factor:	0.995	
Frequency:	60	Hz
Current THD:	7.32	%

In-Situ

LED Front Temperature:	41.3	°C
Driver 3 Temperature:	47.0	°C
Measured LED Current:	0.03700	A

Temperature is offset to an ambient temperature of 25°C as described in UL1598-2008.

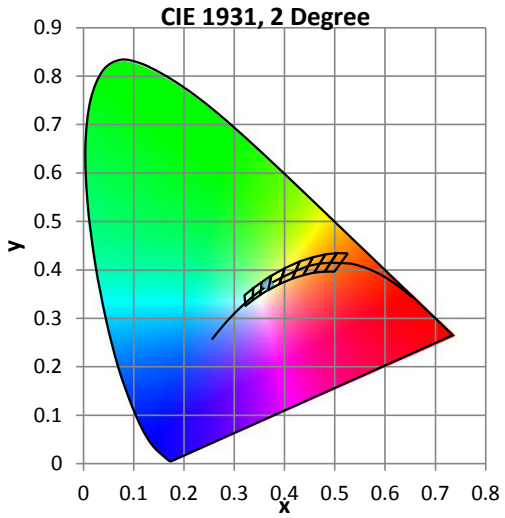
Color Quality - Integrating Sphere

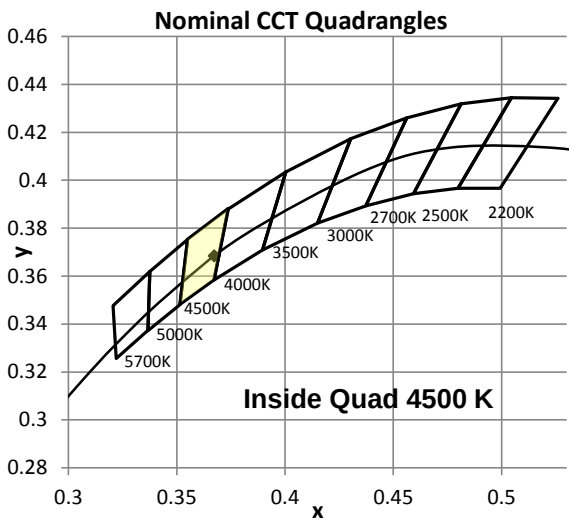
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.1 VAC	1.156 A	138.2 W	0.995	60 Hz	7.32 %

Summary of Results

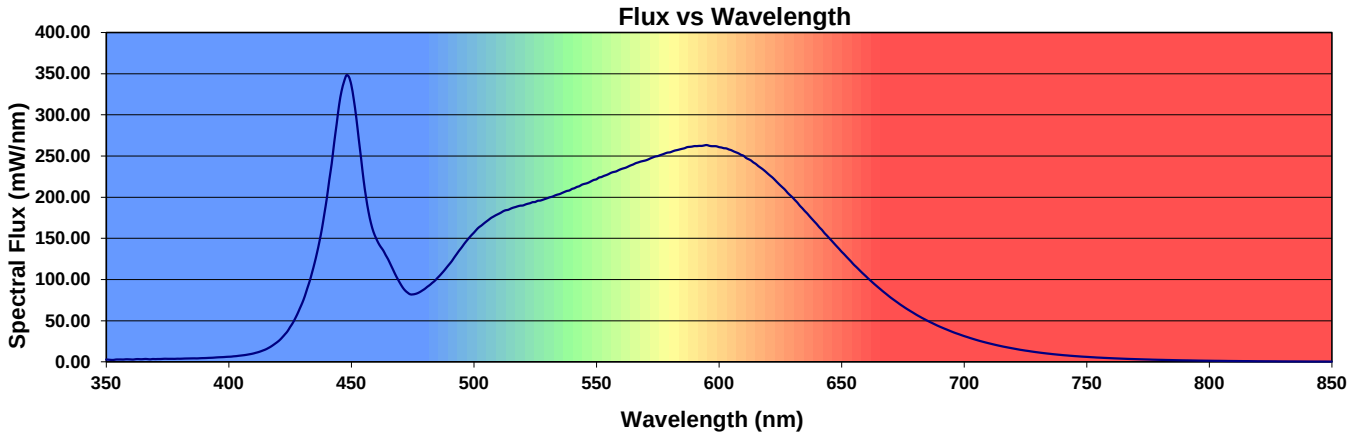
Total Output:	15790 Lumens	**Chromaticity (x):**	0.3673
Efficacy:	114.2 lm/w	**Chromaticity (y):**	0.3684
CCT:	4321 K	**Chromaticity (u'):**	0.2197
CRI (Ra):	84.6	**Chromaticity (v'):**	0.4959
CRI (R9):	14.6	**TM-30 R_f:**	84.0
Peak Wavelength:	448.3 nm	**TM-30 R_g:**	97.2
Dominant Wavelength:	577.7 nm	**Duv:**	0.0000
S/P Ratio:	1.795		





Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
84.6	83.1	89.4	94.5	84.9	83.9	85.8	87.3	68.2	14.6	75.4	84.9	68.3	84.6	97.1



In-Situ Test

In-Situ Test Conditions

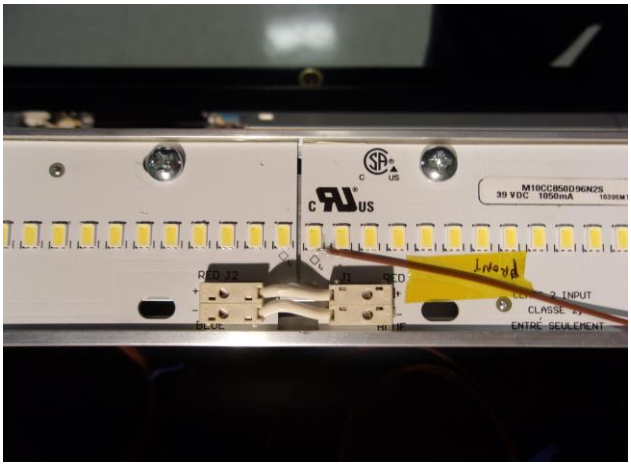
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.3 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Front Temperature:	41.3	°C
LED Center Temperature	39.2	°C
Driver 1Temperature:	45.2	°C
Driver 2 Temperature:	46.4	°C
Driver 3 Temperature:	47.0	°C
Measured LED Current:	0.03700	A

Temperatures are offset to an ambient temperature of 25°C as described in UL1598-2008

LED Temperature Location



Driver Temperature Location